



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

MEMORANDUM

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Date: December 2, 2004

Subject: Contract Laboratory Program Data Review

From: *Marvelyn Humphrey*, Marvelyn Humphrey, ESAT Regional PO, 6MD-HE

To: V. Malott, 6SF-AP

Site : JONES ROAD GROUND WATER PLUME

Case#: 33482

SDG# : F15N7

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please call me at (281) 983-2140.

Attachments

cc: M. El-Feky, ESAT TOPO
Files (2)



199583

LOCKHEED MARTIN SERVICES GROUP
ESAT REGION 6
10625 FALLSTONE ROAD
HOUSTON, TX 77099

MEMORANDUM

DATE: December 1, 2004
TO: Marvely Humphrey, ESAT PO, Region 6
FROM: Tom C.H. Chiang, ESAT Program Manager, Region 6 *for CH, WS*
SUBJECT: CLP Data Review
REF: TDF # 6-04-325A ESAT # O-0590
 ESAT Contract No. 68-W-01-030

Attached is the data review summary for Case # 33482
 SDG # F15N7
 Site Jones Road Ground Water Plume

COMMENTS:

I. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The data package was contractually compliant as determined by the CCS audit and hardcopy review.

II. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 1,000 for this data package. Some results were qualified because of the significant technical problem addressed below.

One DMC recovery was below the QC limit for seven samples.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	33482	SITE	Jones Road Ground Water Plume
LABORATORY	DATAC	NO. OF SAMPLES	20
CONTRACT#	68-W01-045	MATRIX	Water
SDG#	F15N7	REVIEWER (IF NOT ESB)	ESAT
SOW#	OLC03.2	REVIEWER'S NAME	Ying-Ping Hsieh
ACCT#	5302DD2CJN07	COMPLETION DATE	December 1, 2004
SF#	302DD2CNK		

SAMPLE NO.	F15N7	F15P1	F15X6	F16G0	F1656
	F15N8	F15P2	F16F2	F16H5	F1657
	F15N9	F15P3	F16F3	F1653	F1658
	F15P0	F15X5	F16F4	F1654	F1668

DATA ASSESSMENT SUMMARY

VOA

1. HOLDING TIMES	O
2. GC/MS TUNE/INSTR. PERFORM.	O
3. CALIBRATIONS	O
4. BLANKS	O
5. DMC/SURROGATES	M
6. MATRIX SPIKE/DUPLICATE	O
7. OTHER QC	O
8. INTERNAL STANDARDS	O
9. COMPOUND ID/QUANTITATION	O
10. PERFORMANCE/COMPLETENESS	O
11. OVERALL ASSESSMENT	M

O = Data had no problems.

M = Data qualified due to major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN: One DMC recovery was below the QC limit for seven samples.

NOTABLE PERFORMANCE:

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 33482 SDG F15N7 SITE Jones Road Ground Water Plume LAB DATA

The following is a summary of sample qualifiers used by Region 6 in reporting this CLP data:

No.	Acceptable	Provisional	Unacceptable
VOA	13	7	

COMMENTS: This SDG, contracted under low concentration SOW OLC03.2, consisted of 20 water samples for VOA analysis. The OTR/COC Records designated sample F15X6 as the laboratory QC sample, sample F16G0 as a trip blank, and sample F16H5 as a field blank. The samples of this SDG were also associated with field blank sample F16H4 in SDG F15L4. The Region 6 RSCLC confirmed that samples F15X5, F16F3, and F1668 of this SDG were field duplicates of samples F15M2, F1606, and F15N4 of SDG F15L4, respectively. The data package was contractually compliant and arrived on time for the seven-day turnaround time requirement.

As requested by the TDF, level 2 review was performed for this data package. The target compounds of concern with the user's desired detection limits in parentheses were vinyl chloride (2 µg/L), trans-1,2-dichloroethene (7 µg/L), cis-1,2-dichloroethene (7 µg/L), and tetrachloroethene (5 µg/L). All samples met the desired detection limit requirement. The target compounds of concern reported at concentrations above the user's desired detection limits were cis-1,2-dichloroethene and tetrachloroethene in samples F15N8 and F15P1. These two samples were diluted up to 10X because of high tetrachloroethene concentrations.

The only target compound not designated as a compound of concern that was detected at concentrations above the CRQL was trichloroethene in samples F15N8 and F15P1. Seven samples had one DMC recovery below the QC limit.

Some results are provisional for seven samples because of DMC recovery problems. The technical usability of all reported sample results is indicated by ESAT's final data qualifiers in the Data Summary Table (DST). An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 33482 SDG F15N7 SITE Jones Road Ground Water Plume LAB DATAc

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

1. **Holding Times:** Acceptable. All samples met the contractual and technical holding time criteria and were acid-preserved.

NOTE: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these two compounds.

2. **Tuning/Performance:** Acceptable. The BFB analyses met GC/MS tuning criteria.

3. **Calibrations:** Acceptable. All calibrations met contractual criteria. The RRF10 for methyl acetate was marginally below the QC limit. In the reviewer's opinion, data qualification was unnecessary because the RRF0.5 (CRQL level) was acceptable for this compound.

4. **Blanks:** Acceptable. The method and storage blanks met contractual requirements and were free from target compound contamination.

Trip Blank/Field Blank: Trip blank sample F16G0 was free from target compound contamination. Field blank sample F16H5 contained chloromethane at a concentration below the CRQL. The detected chloromethane results in the field samples (all below the CRQL's) should be considered as undetected and were "U"-flagged at the CRQL on the DST because of possible field contamination. Acetone was detected at a concentration equal to the CRQL in field blank sample F16H4 of SDG F15L4 but was not detected in the associated field samples of this SDG.

5. **Deuterated Monitoring Compounds (DMC's) / Surrogates:**

Provisional. The DMC recoveries were contractually acceptable for all analyses although several samples had up to three DMC recoveries below the QC limits. The reviewer qualified as estimated and biased low the results of compounds associated with VDMC3 for samples F15N8, F15P1, F1658, F1668, F16F2, and F16H5 and VDMC13 for sample F16F3 because of low DMC recoveries. The other outlying DMC recoveries were only marginally below the QC limits, therefore, result qualification was unnecessary.

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 33482 SDG F15N7 SITE Jones Road Ground Water Plume LAB DATAC

6. **Matrix Spike/Matrix Spike Duplicate (MS/MSD)**: Acceptable. The MS/MSD results met the QC criteria for precision and percent recovery.

7. **Other QC:**

Field Duplicates: Acceptable. The field duplicate results were consistent.

8. **Internal Standards (IS)**: Acceptable. Internal standard performance met the QC criteria for all analyses.

9. **Compound Identity/Quantitation**: Acceptable. The target compounds reported at concentrations above the CRQL's were cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene in samples F15N8 and F15P1. The reported sample results met compound identification criteria.

10. **Performance/Completeness**: Acceptable. The data package was complete. The laboratory was contacted for some reporting errors (see Resubmission Request). The laboratory response is not expected to impact the DST.

11. **Overall Assessment**: Data are acceptable for 13 samples. Some results were qualified for samples F15N8, F15P1, F1658, F1668, F16F2, F16F3, and F16H5 because of DMC recovery problems.

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
LABQUAL: Laboratory Qualifier
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
CRQLLBL: Contract Required Quantitation Limit Label
SMPDATE: Sampling Date
VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)
STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, and VALDQAL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- B** This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.
- W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 33482 SDG No. F15N7 SDG Nos. To Follow _____ SAS No. _____ Date Rec 11/16/04

<p>EPA Lab ID: <u>DATA</u></p> <p>Lab Location: <u>Salt Lake City, UT 84123</u></p> <p>Region: <u>6</u> Audit No.: <u>33482/F15N7</u></p> <p>Resubmitted CSF? Yes _____ No <u>X</u></p> <p>Box No(s): <u>1</u></p> <p>COMMENTS:</p> <p>Item Description</p> <p>8. The airbill# was incorrect. The auditor corrected it.</p> <p>20, 20a The airbill (p. 329) and one OTR/COC Record (p. 6) were photocopies, but the location of the originals was not indicated. The laboratory was contacted for resolution.</p> <p>Over for additional comments.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding-bottom: 5px;">ORIGINALS</th> <th style="text-align: center; padding-bottom: 5px;">YES</th> <th style="text-align: center; padding-bottom: 5px;">NO</th> <th style="text-align: center; padding-bottom: 5px;">N/A</th> </tr> </thead> <tbody> <tr> <td colspan="4">CUSTODY SEALS</td> </tr> <tr> <td>1. 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Audited by: Ying-Ping Hsieh

Ying-Ping Hsieh/ ESAT Data Reviewer

Date 11/29/04

Audited by: _____

Date _____

Audited by: _____

Date _____

Signature

Printed Name/Title

DC-2 _____

In Reference to Case No(s) :
33482 SDG: F15N7 (O-0590)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM
Resubmission Request

Laboratory Name: DATAAC
Lab Contact: Richard Wade

Region: 6
Regional Contact: Mahmoud El-Feky - EPA
ESAT Reviewer: Ying-Ping Hsieh - ESAT

In reference to data for the following fractions:

CSF Deliverables VOA

Summary of Questions/Issues:

A. CSF Deliverables

1. The SDG# was incorrect on the SDG Narrative (p. 1). Please correct and resubmit this page.
2. The sample receipt date on the OTR/COC Records (pages 4 to 6) was unrecognizable. Please submit copies with the date legible.
3. The airbill (p. 329) and one OTR/COC Record (p. 6) were photocopies, but the location of the originals was not indicated. Please provide the location information or submit the originals at this time (OLC03.2, F-10, 2.7.9).

B. VOA

1. BFB VSTD005W1 (11/10/04, 18:47): The reviewer could not reproduce the %relative abundance on Form 5 (p. 14) based on the raw data (p. 210). Please verify and submit the needed corrections.
2. Based on the chromatograms, two xylene isomer peaks were present in the calibration standards. However, the quantitation reports had only the retention time for one isomer peak labeled total xylene. Please clarify whether the other xylene isomer peak was searched for during sample data analysis.

Resubmission Request

Continuation Page 2
Laboratory/Contact DATAAC/Richard Wade
In Reference To Case No. 33482 **SDG:** F15N7

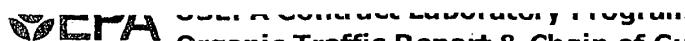
NOTE: Any laboratory resubmission should be submitted either as an addendum to the original CSF with a revised Form DC-2 or submitted as a new CSF with a new Form DC-2 (OLC03.2, p. B-26, 2.6.3), except those containing only replacement pages. Custody seals are required for all CSF resubmission shipments.

Please respond to the above items **within 7 days** by e-mail to El-Feky.Mahmoud@epamail.epa.gov and by regular mail to:

Mr. Mahmoud El-Feky
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact Mr. El-Feky at (281) 983-2128.

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy



Organic Traffic Report & Chain of Custody Record

Case No: 33482
DAS No:

R

Region: 6	Date Shipped: 11/8/2004	Chain of Custody Record	
Project Code:	Carrier Name: UPS	Sampler Signature: <i>W.B. L.R.</i>	DAS No:
Account Code:	Airbill: 1Z66V7252210006411	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID:	Shipped to: Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700	1 <i>W.B. L.R.</i> 11/8/04 14:00	
Spill ID:		2	
Site Name/State:	JONES RD GW PLUME FEDERAL SUPERFUND	3	
Project Leader:	BILL HARDMANT	4	
Action:			
Sampling Co:	Shaw Environmental, Inc.		

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F15N7	Ground Water	/G	VOA-3.2 (7)	405634 (HCL), 405635 (HCL), 405636 (HCL) (3)	FV11014-3	S: 11/8/2004 14:43		--
F15N8	Ground Water	/G	VOA-3.2 (7)	405637 (HCL), 405638 (HCL), 405639 (HCL) (3)	FV11022-1	S: 11/8/2004 15:47		--
F15N9	Ground Water	/G	VOA-3.2 (7)	405640 (HCL), 405641 (HCL), 405642 (HCL) (3)	FV11022-2	S: 11/8/2004 15:51		--
F15P0	Ground Water	/G	VOA-3.2 (7)	405643 (HCL), 405644 (HCL), 405645 (HCL) (3)	FV11022-3	S: 11/8/2004 15:54		--
F15P1	Ground Water	/G	VOA-3.2 (7)	405619 (HCL), 405620 (HCL), 405621 (HCL) (3)	FV11023-1	S: 11/8/2004 13:32		--
F15P2	Ground Water	/G	VOA-3.2 (7)	405622 (HCL), 405623 (HCL), 405624 (HCL) (3)	FV11023-2	S: 11/8/2004 13:36		--
F15P3	Ground Water	/G	VOA-3.2 (7)	405625 (HCL), 405626 (HCL), 405627 (HCL) (3)	FV11023-3	S: 11/8/2004 13:39		--
F15X5	Ground Water	/G	VOA-3.2 (7)	405707 (HCL), 405708 (HCL), 405709 (HCL) (3)	DK12102A	S: 11/8/2004 10:20		Field Duplicate
F15X6	Ground Water	/G	VOA-3.2 (7)	405904 (HCL), 405906 (HCL), 405907 (HCL), 405908 (HCL), 405909 (HCL), 405910 (HCL), 405911 (HCL), 405912 (HCL), 904905 (HCL) (9)	OV11503	S: 11/8/2004 10:02		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F15M0, F15X6	Additional Sampler Signature(s): <i>W.B. L.R.</i>	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High VOA-3.2 = CLP TCL VOCs by OLCU3.2	Type/Designate: Composite = C, Grab = G	Shipment Iced?

TR Number: 6-073826063-110804-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33482
DAS No:

R

Region: 6	Date Shipped: 11/8/2004	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: UPS	Relinquished By (Date / Time)		Received By (Date / Time)
Account Code:	Airbill: 1Z66V7252210006411	1 <i>[Signature]</i> 11/8/04 1700		
CERCLIS ID:	Shipped to: Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700	2		
Spill ID:		3		
Site Name/State: JONES RD GW PLUME FEDERAL SUPERFUND		4		
Project Leader: BILL HARDMANT				
Action:				
Sampling Co: Shaw Environmental, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F15X7	Ground Water	/G	VOA-3.2 (7)	405901 (HCL), 405902 (HCL), 405903 (HCL) (3)	OV11507	S: 11/8/2004 9:05	--	
F15X8	Ground Water	/G	VOA-3.2 (7)	405913 (HCL), 405914 (HCL), 405915 (HCL) (3)	OV11519	S: 11/8/2004 11:25	--	
F15X9	Ground Water	/G	VOA-3.2 (7)	405916 (HCL), 405917 (HCL), 405918 (HCL) (3)	OV11523	S: 11/8/2004 12:18	--	
F15Y1	Ground Water	/G	VOA-3.2 (7)	405919 (HCL), 405920 (HCL), 405921 (HCL) (3)	OV11534	S: 11/8/2004 13:12	--	
F15Y2	Ground Water	/G	VOA-3.2 (7)	405922 (HCL), 405923 (HCL), 405924 (HCL) (3)	OV11547	S: 11/8/2004 14:06	--	
F15Y3	Ground Water	/G	VOA-3.2 (7)	405925 (HCL), 405926 (HCL), 405927 (HCL) (3)	OV11602	S: 11/8/2004 14:59	--	
F15Y5	Ground Water	/G	VOA-3.2 (7)	405931 (HCL), 405932 (HCL), 405933 (HCL) (3)	OV11610	S: 11/8/2004 16:00	--	33
F1606	Ground Water	/G	VOA-3.2 (7)	405854 (HCL), 405855 (HCL), 405856 (HCL) (3)	WE10719A	S: 11/8/2004 14:45	Field Duplicate	
F1630	Ground Water	/G	VOA-3.2 (7)	405928 (HCL), 405929 (HCL), 405930 (HCL) (3)	OV11602A	S: 11/8/2004 14:59	Field Duplicate	
F1652	Ground Water	/G	VOA-3.2 (7)	405610 (HCL), 405611 (HCL), 405612 (HCL) (3)	TH11610-1	S: 11/8/2004 10:53	--	
F1653	Ground Water	/G	VOA-3.2 (7)	405613 (HCL), 405614 (HCL), 405615 (HCL) (3)	TH11610-2	S: 11/8/2004 10:56	--	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F15M0, F15X6	Additional Sampler Signature(s): <i>[Signature]</i> <i>[Signature]</i>	Chain of Custody Seal Number:
Analysis Key: VOA-3.2 = CLP TCL VOCs by OLC032	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 6-073826063-110804-0001

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33482
DAS No:

R

Region: 6	Date Shipped: 11/8/2004	Chain of Custody Record		Sampler Signature: <i>W.B.</i>
Project Code:	Carrier Name: UPS	Relinquished By	(Date / Time)	Received By
Account Code:	Airbill: 1Z66V7252210006411			
CERCLIS ID:	Shipped to: Datachem Laboratories, Inc.			
Spill ID:	960 West LeVoy Drive			
Site Name/State: JONES RD GW PLUME FEDERAL SUPEF	Salt Lake City UT 84123			
Project Leader: BILL HARDMANT	(801) 266-7700			
Action:				
Sampling Co: Shaw Environmental, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F1654	Ground Water	/G	VOA-3.2 (7)	405616 (HCL), 405617 (HCL), 405618 (HCL) (3)	TH11610-3	S: 11/8/2004 10:59		--
F1656	Ground Water	/G	VOA-3.2 (7)	405601 (HCL), 405602 (HCL), 405603 (HCL) (3)	TH11618-1	S: 11/8/2004 9:22		--
F1657	Ground Water	/G	VOA-3.2 (7)	405604 (HCL), 405605 (HCL), 405606 (HCL) (3)	TH11618-2	S: 11/8/2004 9:25		--
F1658	Ground Water	/G	VOA-3.2 (7)	405607 (HCL), 405608 (HCL), 405609 (HCL) (3)	TH11618-3	S: 11/8/2004 9:28		--
F1668	Ground Water	/G	VOA-3.2 (7)	405731 (HCL), 405732 (HCL), 405733 (HCL) (3)	FB11902A	S: 11/8/2004 15:50		Field Duplicate
F16F2	Ground Water	/G	VOA-3.2 (7)	405801 (HCL), 405802 (HCL), 405803 (HCL) (3)	WE10715	S: 11/8/2004 13:35		--
F16F3	Ground Water	/G	VOA-3.2 (7)	405851 (HCL), 405852 (HCL), 405853 (HCL) (3)	WE10719	S: 11/8/2004 14:45		--
F16F4	Ground Water	/G	VOA-3.2 (7)	405857 (HCL), 405858 (HCL), 405859 (HCL) (3)	WE10727	S: 11/8/2004 15:55		--
F16G0	Field QC	/G	VOA-3.2 (7)	405420 (HCL), 405421 (HCL), 405423 (HCL) (3)	TRIP BLANK 1	S: 11/8/2004 11:10		Trip Blank
F16H4	Field QC	/G	VOA-3.2 (7)	405424 (HCL), 405425 (HCL), 405426 (HCL) (3)	FIELD BLANK 1	S: 11/8/2004 11:30		Field Blank
F16H5	Field QC	/G	VOA-3.2 (7)	405427 (HCL), 405428 (HCL), 405429 (HCL) (3)	FIELD BLANK 2	S: 11/8/2004 14:45		Field Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F15M0, F15X6	Additional Sampler Signature(s): <i>W.B., C.J. Roy, B. Bell</i>	Chain of Custody Seal Number:
Analysis Key: VOA-3.2 = CLP TCL VOCs by OLC03.2	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?

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